



BLACK ROCK FOREST

1995

DEER HARVEST REPORT

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The recovery of the deer population in the Hudson Valley region has been a slow steady process. The blizzard of '93 and '94 still and will show a major effect on the present population. Both winters pressured the 1 1/2 and 2 1/2 year old age classes of 1995. This has been evident in the low yearling take in '94 (7) and '95 (10), since 90% of the buck take are taken from the yearling and 2 1/2 year age class, the poor take of the past to years are easily understood.

The recovery of the deer herd is eminent. Physical characteristics such as antler beam diameter, yearling and fawn weights, and female age structure are favorable. Special consideration will be given to females of 1 1/2 and 2 1/2 years, these age classes, are poorly represented and these deer will be critical to reproduction potential in the coming years.

Surprisingly, hunting pressure has remained constant although buck takes of '94 and '95 were extremely low. The number of hunters using the forest remain between 190-200 with half possessing DMU #54 permits.

The mast crop of the fall of 1995 was quantitatively measured for the first time at Black Rock. Previous methods consisted of species producing acorns and random estimates by abundance. This proved unreliable. Presently, and in future years, acorn crops will be systematically sampled. Acorns per acre by species will be calculated. The 1995 mast crop lacked production from the White and Chestnut Oaks (zero). The Red Oak acorn crop produced 11,059 acorns per acre, Black Oak 8,156 per acre. The total mast crop produced less than 20,000 acorns per acre, which classifies the acorn crop as trace to none. This was partially offset by a good apple and grape crops. Blueberry production was sporadic. These levels were estimated by observations.

DEER HARVEST 1970-1995

DATE	BUCK	DOES	TOTAL HARVEST
1970	24	0	24
1971	34	0	34
1972	35	0	35
1973	32	0	32
1974	35	0	35
1975	48	6	54
1976	38	25	63
1977	50	24	74
1978	40	34	74
1979	33	20	53
1980	25	28	53
1981	23	24	47
1982	7	17	24
1983	23	10	33
1984	29	10	39
1985	45	14	59
1986	56	29	85
1987	40	29	69
1988	24	24	48
1989	25	11	36
1990	35	16	51
1991	52	23	75
1992	34	32	66
1993	23	11	34
1994	20	18	38
1995	14	11	25

1995 BLACK ROCK FOREST DEER HARVEST REPORT

YEARS	TOTAL	ANTLER BEAM		MALES (BUCKS)											SUB LEGAL	
		DIA. (MM)	AVERAGE WT. (LBS)	SPIKE	3	4	5	6	7	8	9	10				
Fawn	0	0	0	6	0	2	1	1	0	0	0	0	0	0	0	0
1.5	10	16.3	91	0	1	0	0	0	0	0	0	0	0	0	0	0
2.5	2	22	118	0	0	0	0	0	0	1	0	0	0	0	0	0
3.5	2	28	137	0	0	0	0	0	0	1	1	0	0	0	0	0
Total	14			6	1	2	1	1	0	2	1	0	0	0	0	0

FEMALE (DOES)

YEARS	Fawn	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5-9.5	10.5+	TOTAL	
HARVEST	0	2	3	2	3	0	1	0	0	0	11	
ADULT FEMALE TO ADULT MALE HARVEST RATIO												
YEAR	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AF/AM	0.34	0.28	0.52	0.76	0.95	0.5	0.44	0.45	0.91	0.45	0.81	0.78

ADULT MALE HARVEST PER SQUARE MILE - (BLACK ROCK FOREST - 6 SQUARE MILES)

YEAR	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AM/SM	4.8	6.5	8	5.5	3.7	3.7	5.3	8.2	5.5	3.6	2.7	2.3

1995 DEER HUNTING SEASON---NOVEMBER 20 TO DECEMBER 12

ZONE	ACRES	HUNTER	HUNTER	HARVEST	
		CAPACITY	DAYS	BUCKS	DOES
I	450	12	53	0	1
II	520	15	79	4	2
III	450	13	49	1	0
IV	460	16	80	2	0
V	400	11	84	4	2
VI	500	16	107	0	3
VII	150	7	23	0	1
VIII	330	11	48	3	2
Sanctuary IX	220	0	0	0	1
Mineral Springs	120	6	20	0	0
TOTALS	3600	106	543	14	12

OPENING DAY - NOVEMBER 20

ZONE	HUNTER		HARVEST	
	CAPACITY	HUNTERS	BUCKS	DOES
I	12	9	1	1
II	15	19	2	0
III	13	11	0	0
IV	16	20	2	0
V	11	12	1	0
VI	16	14	0	0
VII	7	3	0	0
VIII	11	14	2	0
Mineral Springs	6	2	0	0
TOTALS	106	104	8	1

SEASON HUNTING PRESSURE AND SUCCESS RATE

YEAR	PERMITS	HUNTERS	DMU#54	VISITS	VISITS PER HUNTER	SUCCESS RATE		TOTAL
			PERMITS			BUCKS	DMU	
1991	703	208				24%		36%
1992	503	227		759	3.4	15%		29%
1993	395	186	90	577	3.1	12%	13%	18%
1994	434	198	110	619	3.1	8%	20%	19%
1995	351	190	86	543	2.8	7%	13%	13%

OPENING DAY HUNTING PRESSURE AND SUCCESS RATES

YEAR	PERMITS	HUNTERS	HARVEST		SUCCESS RATE		% OF TOTAL BUCK HARVEST
			BUCK	DOE	BUCKS%		
1987	171	256	23	13	9		58
1988	139	208	17	10	8		77
1989	78	117	12	3	10		55
1990	88	132	17	1	13		53
1991	73	108	32	0	30		65
1992	71	109	18	0	17		55
1993	68	97	13	0	13		56
1994	64	109	10	1	11		50
1995	63	102	8	1	8		57

1984 -1995 WHITE-TAILED DEER HARVEST REPORT

3.5 - 4.5 YEAR OLD MALES

Year	Total Males	Spike	Antler Point Class										Sub Legal	Average Points	Avg. Beam Dia. (mm)	Average Wt. (lbs.)	Freq. %
			3	4	5	6	7	8	9	10	10.5+						
1984	2	0	0	0	0	0	2	0	0	0	0	0	0	7	27	120	7
1985	4	0	0	1	1	0	0	2	0	0	0	0	0	6.8	26.8	119	10
1986	2	0	0	0	0	0	0	1	0	1	0	0	0	9	30.5	145	4
1987	1	0	0	0	0	0	0	1	0	0	0	0	0	8	35	152	3
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	1	0	0	1	0	0	0	0	0	0	0	0	0	5	22	94	3
1991	4	0	0	0	1	1	1	1	0	1	0	0	0	7.8	24.3	117	8
1992	6	0	0	1	1	1	3	0	0	0	0	0	0	7	26.3	140	18
1993	2	0	0	0	0	1	1	1	0	0	0	0	0	7.5	23.5	126	9
1994	7	0	0	1	1	2	0	3	0	0	0	0	0	6.4	23.1	124	44
1995	2	0	0	0	0	0	0	1	1	0	0	0	0	8.5	28	137	14

FEMALE AGE CLASS IN YEARS

Year	Fawn	Age Class (Years)										TOTAL	% 3 1/2 yrs. +		
		1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5-9.5	10.5+					
1984	1	5	1	0	1	0	0	0	1	1	0	0	0	10	30
1985	3	2	5	3	1	0	0	0	0	0	0	0	0	14	28
1986	4	5	7	4	1	3	2	2	0	0	1	0	0	29	45
1987	4	1	8	6	5	1	2	2	0	0	0	0	0	29	55
1988	3	3	6	4	5	0	2	1	0	0	0	0	0	24	50
1989	0	1	1	4	3	1	0	0	1	0	0	0	0	11	82
1990	2	1	4	1	1	0	0	2	0	0	0	0	0	16	56
1991	1	7	6	3	1	3	0	1	0	0	1	0	0	23	39
1992	2	6	5	3	2	5	3	2	3	1	0	0	0	32	59
1993	1	2	3	1	2	1	1	0	0	0	0	0	0	11	45
1994	5	1	3	3	1	1	1	1	1	0	0	0	0	18	50
1995	0	2	3	2	0	0	1	1	0	0	0	0	0	11	54

POPULATION COMPOSITION BY YEAR CLASS FOR DEER KNOWN TO HAVE BEEN REMOVED

BIRTH YEAR	1984		1985		1986		1987		1988		1989		1990		1991		1992		1993		1994		1995		TOTAL	AGE AS OF FALL 1995 (yrs)					
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F							
1980	0	1			0	2	0	2																							
1981	2	0	0	1	0	3	0	2	0	1	0	1																			
1982	5	1	4	3	0	1	0	1	0	2																					
1983	22	5	3	5	2	4	0	5				0	2																		
1984	0	1	32	2	9	7	1	6	0	5	0	1	0	0	0	1	0	3													
1985			6	3	37	5	10	8	0	4	0	3	0	0	0	0	0	2													
1986			8	4	22	1	8	6	0	6	0	4	0	1	0	3	0	3													
1987					7	4	13	3	7	1	1	6	0	1	0	5	0	1	0	2	0	0	0	0	0	0					
1988							2	3	15	1	13	4	4	3	1	2	0	1	0	1	0	0	0	0	0	0					
1989									3	0	18	1	14	6	5	3	0	2	0	1	0	1	0	1	0	1					
1990											3	2	31	7	7	5	2	1	0	1	0	0	0	0	0	0					
1991													3	1	20	6	5	3	7	3	0	3	0	3	1	2					
1992															1	2	15	2	2	3	2	2	2	2	3	10					
1993															1	1	7	1	2	3	0	1	10	6	16	2.5					
1994																			4	5	10	2	0	0	14	7					
1995																															
TOTAL	29	8	45	14	56	26	40	29	23	24	25	11	35	16	52	23	34	32	23	11	20	18	14	11	15	30	411	253	664		FAWN

*The data represents the population composition each year at the time fawns were born.
 **Known mortality Misc. - These are deer known to have died by other means than hunter kill. (Vehicle collision, starvation, preditor kill, unknown)

**BLACK ROCK FOREST
BIG BUCKS**

YEAR	HUNTERS NAME	POINTS	AGE/YRS	WEIGHT(lbs)	BEAM
					DIAMETER (mm)
1984	GREG LUDATO	8	2 1/2	126	29
	LARRY KIRWAN	7	3 1/2	120	29
1985	RAY KENNY	10	2 1/2	130	27
	AL PALUMBO	8	3 1/2	123	36
	JOEL TRUNCALI	8	3 1/2	130	24
1986	FURMAN CONKLIN	10	3 1/2	157	31
	TOM STEED	8	3 1/2	132	30
	JIM BOTHWELL	8	2 1/2	121	28
	PETE VETERE	8	2 1/2	125	27
1987	GENE CONKLIN	8	3 1/2	152	35
	CHARLES CHATFIELD	8	2 1/2	135	28
1988	BOB SMITH SR.	7	2 1/2	138	25
1989	JEFF PAVIA	8	2 1/2	147	26
1990	DAVE RICE	8	2 1/2	138	27
1991	STEVE OTLOWSKI	10	3 1/2	124	27
	JOHN O'ROURKE	8	3 1/2	138	25
	JOE SWANSON	7	3 1/2	140	21
	JEFF PAVIA	8	2 1/2	120	28
	BOB BATES	6	2 1/2	122	26
	DAVE BARKI	8	2 1/2	114	26
1992	FURMAN CONKLIN	5	4 1/2	162	31
	RALPH DEPEW	7	3 1/2	154	28
	DOUG SPAULDING	8	3 1/2	150	23
	BOB SHERMAN JR	8	3 1/2	120	27
	LOU GIZZARELLI	6	3 1/2	132	25
	TONY TALLARICO	8	3 1/2	122	24
	JEFF PAVIA	8	2 1/2	116	25
1993	HENRY MESEROLE	8	3 1/2	134	25
	AL CRUDELE	7	3 1/2	118	22
1994	AL CRUDELE (BOW)	8	3 1/2	130	26
	AL CRUDELE	6	3 1/2	142	27
	PAT PURCELL	8	3 1/2	130	23
	JOHN VITEK	8	3 1/2	110	23
1995	JAMES FURGUSON	9	3 1/2	152	28
	RALPH BREDEN	8	3 1/2	122	28
	SAM VRIESEMA	8	2 1/2	124	22